

THE UNITED STAYES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME;

Monsanto Technology TIG

There has been presented to the

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT. THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE OFFICE IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY MEANS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLEMISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE SHIP TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR PUBLIC OF EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ULRECSES OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT BY THE PLANT VARIETY PROTECTION ACT. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

CORN, FIELD

'I059908'

In Cretimonn Marcot, I have hereunto set my hand and caused the seal of the Mant Anrich Protection Office to be affixed at the City of Washington, D.C. this twenty-fifth day of November, in the year two thousand and eight.

Allent

De-34

Commissioner Plant Variety Protection Office Agricultural Marketing Scruic alward T. Shoot

The undersigned owner(s) is(are) the owner of this sexually reproduced or tuber propagated plant variety, and believe(s) that the variety is new, distinct, uniform, and stable as required in Section 42, and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act.

Official algorithms and the toble self-	our can jeopardize protection and result in hi	snames.	
SIGNATURE OF OWNER JUMOTHY R	. Ke	SIGNATURE OF OWNER	
NAME (Please print or type) Timothy R. Kain		NAME (Please print or type)	
CAPACITY OR TITLE Patent Scientist	2/27/06	CAPACITY OR TITLE	DATE

GENERAL: To be effectively filed with the Plant Variety Protection Office (PVPO), ALL of the following items must be received in the PVPO: (1) Completed application form signed by the owner; (2) completed exhibits A, B, C, E; (3) for a seed reproduced variety at least 2,500 viable untreated seeds, for a hybrid variety at least 2,500 untreated seeds of each line necessary to reproduce the variety, or for tuber reproduced varieties verification that a viable (in the sense that it will reproduce an entire plant) tissue culture will be deposited and maintained in an approved public repository; (4) check drawn on a U.S. bank for \$3,652 (\$432 filling fee and \$3,220 examination fee), payable to "Treasurer of the United States" (See Section 97.6 of the Regulations and Rules of Practice.) Partial applications will be held in the PVPO for not more than 90 days, then returned to the applicant as unfiled. Mail application and other requirements to Plant Variety Protection Office, AMS, USDA, Room 401, NAL Building, 10301 Baltimore Avenue, Beltsville, MD 20705-2351. Retain one copy for your files. All items on the face of the application are self explanatory unless noted below. Corrections on the application form and exhibits must be initialed and dated. DO NOT use masking materials to make corrections. If a certificate is allowed, you will be requested to send a check payable to "Treasurer of the United States" in the amount of \$432 for issuance of the certificate. Certificates will be issued to owner, not licensee or agent.

> Plant Variety Protection Office Telephone: (301) 504-5518 FAX: (301) 504-5291

Homepage: http://www.ams.usda.gov/science/pvpo/pvp.htm

ITEM

18a. Give:

- (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method:
- (2) the details of subsequent stages of selection and multiplication;

(3) evidence of uniformity and stability; and

- (4) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified
- 18b. Give a summary of the variety's distinctness. Clearly state how this application variety may be distinguished from all other varieties in the same crop. If the new variety is most similar to one variety or a group of related varieties:
 - (1) identify these varieties and state all differences objectively;

(2) attach statistical data for characters expressed numerically and demonstrate that these are clear differences; and

- (3) submit, if helpful, seed and plant specimens or photographs (prints) of seed and plant comparisons which clearly indicate distinctness.
- 18c. Exhibit C forms are available from the PVPO Office for most crops; specify crop kind. Fill in Exhibit C (Objective Description of Variety) form as completely as possible to describe your variety.
- 18d. Optional additional characteristics and/or photographs. Describe any additional characteristics that cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the characteristics that are difficult to describe, such as plant habit, plant color, disease
- . 18e. Section 52(5) of the Act requires applicants to furnish a statement of the basis of the applicant's ownership. An Exhibit E form is available from the PVPO.
- 19. If "Yes" is specified (seed of this variety be sold by variety name only, as a class of certified seed), the applicant MAY NOT reverse this affirmative decision after the variety has been sold and so labeled, the decision published, or the certificate issued. However, if "No" has been specified, the applicant may change the choice. (See Regulations and Rules of Practice, Section 97.103).
- 22. See Sections 41, 42, and 43 of the Act and Section 97.5 of the regulations for eligibility requirements,
- 23. See Section 55 of the Act for instructions on claiming the benefit of an earlier filing date,
- 21. CONTINUED FROM FRONT (Please provide a statement as to the limitation and sequence of generations that may be certified.)
- 22. CONTINUED FROM FRONT (Please provide the date of first sale, disposition, transfer, or use for each country and the circumstances, if the variety (including any harvested material) or a hybrid produced from this variety has been sold, disposed of, transferred, or used in the U.S. or other countries.)

Parent of a hybrid sold in the U.S. - April 2005

23. CONTINUED FROM FRONT (Please give the country, date of filing or issuance, and assigned reference number, if the variety or any component of the variety is protected by intellectual property right (Plant Breeder's Right or Patent),)

U.S. Patent Application No. 11/093,765 - filed March 30, 2005 (1059908)

NOTES: It is the responsibility of the applicant/owner to keep the PVPO informed of any changes of address or change of ownership or assignment or owner's representative during the life of the application/certificate. There is no charge for filing a change of address. The fee for filing a change of ownership or assignment or any modification of owner's name is specified in Section 97.175 of the regulations. (See Section 101 of the Act, and Sections 97.130, 97.131, 97.175(h) of the Regulations and Rules of Practice.)

To avoid conflict with other variety names in use, the applicant must check the appropriate recognized authority. For example, for agricultural and vegetable crops, contact: Seed Branch, AMS, USDA, Room 213, Building 306, Beltsville Agricultural Research Center-East, Beltsville, MD 20705. Telephone: (301) 504-8089. http://www.ams.usda.gov/lsg/seed.htm

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 3.0 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, gender, religion, age, disability, sexual orientation, marital or family status, political beliefs, parental status, or protected genetic information. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at 202-720-2600 (voice and TDD).

To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, DC 20250-9410 or call 202-720-5964 (voice and TDD). USDA is an equal opportunity provider and employer.

ST-470 (02-10-2003) designed by the Plant Variety Protection Office with Word 2000. Replaces former versions of ST-470, which are obsolete

EXHIBIT A (revised)

Origin and Breeding History I059908

Corn Variety I059908 was selected for greater plant health, and greater combining ability.

Winter 1996-97	The cross between and 01INL1 and GM9215 (both proprietary DEKALB Corporation Inbreds) was made in Hawaii, nursery rows E20 and E187.
Summer 1997	The BC1 seed was grown and backcrossed to01INI1 in Thomasboro nursery rows 505-8 and 505-9.
Summer 1998	BC1F1 ears were grown ear-to-row and self-pollinated. 1 ear was selected in nursery row 122-27.
Summer 1999	BC1F2 ears were grown ear-to-row and self-pollinated. 3 ears were selected.
Summer 2000	BC1F3 ears were grown ear-to-row and self-pollinated. 3 ears were selected and designated as coded inbred I059908.
Winter 2000-01	BC1F4 ears were grown ear-to-row and self-pollinated. 4 ears from were selected.
Summer 2001	BC1F5 ears were grown ear-to-row and self-pollinated. Final selection was completed.

Statement of Stability and Uniformity

Corn inbred I059908 was coded in 2000 with final selection made in 2001. This inbred has been reproduced by self pollination for three generations and judged to be stable. Inbred I059908 is uniform for all traits observed.

Statement of Variants

1059908 shows no variants other than what would normally be expected due to environment or that would occur for almost any character during the course of repeated sexual reproduction.

EXHIBIT B (revised)

Statement of Distinctness

Monsanto Technology Ł.L.C. believes that I059908 is most similar to corn inbred 01INL1, an inbred developed by DEKALB Genetics Corporation.

1059908 and 01INL1 differ most significantly in the following traits:

Trait	1059908	01INL1
Glume Color	Light Red (5 R 5/8)	Green (5 GY 4/8)
Silk Color	Purple (5 RP 5/8)	Tan (2.5 GY 8/6 with 5 R 5/8)
Ear Position	Pendant	Upright
Husk Opening*	Very Tight (9)	Very Loose (1)

^{* -} based on a scale of 1-9; 1 = Very Loose, 9 = Very Tight

Corn variety I059908 has light red glume color, purple silk color, a pendant ear position and very tight ear husk while comparative corn variety 01INL1 has green glume color, tan silk color, an upright ear position and a very loose ear husk.

Description of Experimental Design

The corn varieties I062695, 01INL1 and MO17 were grown at the Waterman, IL observation nursery in years 2002-2003. The varieties were planted in 2 row plots with 15 plants per row in each of the three years. Trait data were collected on 10 random representative plants for most traits from each 2 row plot. Data on qualitative traits are usually collected on 10 plants from each 2 row plot. For Exhibit C all data were pooled and reported as means across the years for subject variety and the standard variety with standard deviation. The varieties are randomly planted in a 4.5 acre observation nursery which is located within a larger 18 acre field. Besides the observation nursery, this field consists of a research seed increase nursery and an IP seed inventory nursery. The location of each of these individual nurseries is rotated each year to a different location within the 18 acre field. Therefore subject inbreds are not planted adjacent to comparative or standard varieties and may be located in different areas of the larger field each year, therefore being influenced by spacial differences within the field. Growing conditions within the field are not uniform as there are some slight topographical variations such as lower areas which may accumulate and retain water or higher areas which are usually drier. The field is tiled and therefore a variety maybe planted close to a tile line while a comparative variety maybe planted further away and in a low spot within the field. Temporal varieties can exist as weather conditions from year to year can vary as well as planting dates can vary from year to year based on weather conditions. Weather conditions each year can vary the maturity rate of the varieties due to either favorable or unfavorable growing conditions.

EXHIBIT B (revised)

Trait variability is not observed for each variety within its own test plot-plants are usually uniform and data are collected on the "most" representative plants- variability occurs due to spacial location of the test plot for that variety from year to year and to the temporal variation of weather conditions from year to year during the 2-3 years data are collected.

Waterman Research Station Weather Data 2002-2003

Date	Average	Ave. Monthly	Ave. Monthly	Ave. Monthly	Ave. Monthly
	Precip.	Temp – Max.	Temp-Min	Rel. Humid	Rel. Humid –
	(mm)	(F°)	(Ėº)	Max (%)	Min (%)
June 2002	5.3	81.3	60.4	90.7	47.7
July 2002	1.5	87.0	64.9	93.2	48.3
August 2002	5.7	83.1	61.0	96.0	51.8
Sept. 2002	1.5	79.4	52.6	95.0	42.7
June 2003	2.0	75.7	55.7	-	
July 2003	6.4	82.2	62.2	_	
August 2003	2.6	83.5	63.5		-
Sept 2003	2.6	72.9	52.9		

JMS 9/24/08

United States Department of Agriculture, Agricultural Marketing Service Science and Technology, Plant Variety Protection Office National Agricultural Library Building, Room 400 Beltsville, MD 20705-2351

OBJECTIVE DESCRIPTION OF VARIETY CORN (Zea mays L.)

Name of Applicant(s)	001111 (208 111	Variety Seed Source	Var	iety Name or Temporary D	esignation
Monsanto Technology L.L.C. LLC			1059908		
Address (Street & No., or R.F.D. No., City, State, Zip Code and Country	<i>'</i>)	*****	FO	R OFFICIAL USE	PVPO Number
8350 Minnegan Road, Waterman, IL 60556				2006001	20
Place the appropriate number that describes the varietal characters typi necessary. Completeness should be striven for to establish an adequal	ical of this inbred variety te variety description.	in the spaces below. Ri	ght justify who	e numbers by adding lead	ing zeroes if
COLOR CHOICES (Use in conjunction with Munsell color code to description of the code to description of th	ribe all color choices; des 11=Pink 12=Light Red 13=Cherry Red 14=Red 15=Red & White	16=Pale 17=Purp 18=Colo 19=Whit	Purple le rless	on): 21=Buff 22=Tan 23=Brown 24=Bronze 25=Variegated (D 26=Other (Desc	
STANDARD INBRED CHOICES (Use the most similar (in background Yellow Dent Families: Family Members B14 CM105, A632, B64, B68 B37 B37, B76, H84 B73 N192, A679, B73, NC268 C103 M017, Va102, Va35, A682 Oh43 A619, MS71, H99, Va26 WF9 W64A, A554, A654, Pa91	and maturity) of these to Yellow Dent (Unrelated Co109, ND246, Oh7, T232 W117, W153R W182BN White Dent: Cl66, H105, Ky2:	s):	Sw Po	•	132 HP7211
TYPE: (describe intermediate types in Comments section)			Standard Inb	red Name MO17	
2 1=Sweet 2=Dent 3=Flint 4=Flour 5=Pop 6=Ornamental 7=	Pipecorn		2 Туре		
2. REGION WHERE DEVELOPED IN THE U.S.A.:			Standard Se	ed Source	
2 1=Northwest 2=North central 3=Northeast 4=Southeast	5=South central 6=So	uthwest 7=Other	2 Region		
MATURITY (In Region Best Adaptability; show Heat Unit formula in "ODAYS HEAT UNITS 8 3 1 5 8 2. 0 From emergence to 50% of plants in "O" 1	•		DAYS 0 7 9	HEAT UNITS 1 6 8 0.0	
8 2 1 5 5 8, 5 From emergence to 50% of plants in	n pollen	İ	075	1 5 8 2.0	
From 10% to 90% pollen shed					
From 50% silk to optimum edible qu	Jality	·			
From 50% silk to harvest at 25% mo	oisture				
4. PLANT:	Standard Deviation	Sample Size	Mean	Standard Deviation	Sample Size
2 0 3. 9 cm Plant Height (to tassel tip)	22.6	30	1 9 2.7	18.6	30
8 7. 4 cm Ear Height (to base of top ear node)	18.8	30	0 7 6.8	14.0	30
1 1.0 cm Length of Top Ear Internode	2.0	30	0 1 4.4	1.8	30
Average Number of Tillers					
1.0 Average Number of Ears per Stalk	0.0	30	0 0 1.0	0.0	30
2 Anthocyanin of Brace Roots: 1=Absent 2=Faint 3=Mod	lerate 4=Dark		4		
-Application Variety Data	Page 1		Standard Inb	red Data	

Application Varie	ety Data	Page 2		Standard Inbre	ed Data	
5. LEAF:		Standard Deviation	Sample Size	Mean	Standard Deviation	Sample Size
07.3	cm Width of Ear Node Leaf	0.5	30	0 0 9.0	0.7	30
7 1. 4	cm Length of Ear Node Leaf	6.9	30	0 6 2.4	6.4	30
6.1	Number of leaves above top ear	0.3	30	5. 6	0.4	15
1 9. 3	degrees Leaf Angle (measure from 2nd leaf above ear at anthesis	4.4	30	3 5.8	7.8	30
03	Leaf Color (Munsell code 5 GY 3/4)			0 2 (Munsell	code 5 GY 5/10)	
4	Leaf Sheath Pubescence (Rate on scale from	1=none to 9=like peach fuzz)		2	,	
7	Marginal Waves (Rate on scale from 1=none		·	5		
4	Longitudinal Creases (Rate on scale from 1=r			8		
6. TASSEL;		Standard Deviation	Sample Size	Mean	Standard Deviation	Sample Size
1 5. 6	Number of Primary Lateral Branches	2.4	30	7. 1	1.1	30
2 6. 0	Branch Angle from Central Spike	4.2	30	3 4.6	5.2	30
3 5. 8	cm Tassel Length (from top leaf collar to tassel tip)	3.0	30	4 7.4	4.9	30
5.5	Pollen Shed (Rate on scale from 0=male sterile	to 9=heavy shed)		4.3		
07	Anther Color (Munsell code 2.5 Y 8/10)			0 5 (Munsell o	code 2.5 GY 8/6)	
12	1 2 Glume Color (Munsell code 5 R 5/8)			0 2 (Munsell code 5 GY 4/8)		
1	Bar Glumes (Glume Bands): 1=Absent 2=Prese	ent		1		
7a, EAR (Unhus	ked Data):					
17 Silk	Color (3 days after emergence) (Munsell code	5 RP 5/8)		0 5 (Munsell o	code 2.5 GY 8/6)	
0.2 Fre	sh Husk Color (25 days after 50% silking) (Muns	sell code 5 GY 4/8)			•	
	Husk Color (65 days after 50% Silking) (Munsell			0 2 (Munsell code 5 GY 4/8) 2 1 (Munsell code 2.5 Y 8/4)		
3 Posi	ition of Ear at Dry Husk Stage: 1=Upright 2=Hori	izontal 3=Pendent		1	r	
9 Hust	k Tightness (Rate on scale from 1=very loose to	9=very tight)		8		
2 Husł	k Extension (at harvest): 1=Short (ears exposed Long (>10 cm)		-10 cm beyond ear	3		
7b. EAR (Husked	l Ear Data):	Standard Deviation	Sample Size	Mean	Standard Deviation	Sample Size
1 4. 6	cm Ear Length	0.8	30	1 8.5	0.7	30
4 5. 3	mm Ear Diameter at mid-point	2.1	30	3 8.0	1.6	30
95.6 gn	n Ear Weight	10.3	30	1 0 4.8	18.0	30
18.6	Number of Kernel Rows	0.5	30	1 2.0	0.7	15
2	Kernel Rows: 1=Indistinct 2=Distinct			2		
1	Row Alignment: 1=Straight 2=Slightly Curved 3:	=Spiral		1		
09.7	om Shank Length	1.6	30	0 9.8	1.9	15
2	Ear Taper: 1=Slight 2=Average 3=Extreme			2		
Application Variety	/ Data	*·**		Standard Inbred	i Data	
application valiety						

				20000	
Application Variety Data	Page 3		Standard Inbre	d Data	
8. KERNEL (Dried):	Standard Deviation	Sample Size	Mean	Standard Deviation	Sample Size
1 1 .1 mm Kernel Length	0.3	30	1 1.4	0.4	15
0 7.7 mm Kernel Width	0.4	30	0 9.0	0.5	15
4 .8 mm Kernel Thickness	0.3	30	0 4.9	0.3	15
2 8.7 % Round Kernels (Shape Grade)	2.9	500g	31.7	3.6	500g
1 Aleurone Color Pattern: 1=Homozygous 2=Segrega	ating (describe)		1		
1 9 Aleurone Color (Munsell code Lighter than 5 Y 9/1)			1 9 (Munself c	ode Lighter Than 2.5 Y 9/2)
0 7 Hard Endosperm Color (Munsell code 2.5 Y 8/10)			0 7 (Munsell o	ode 2.5 Y 8/10)	
3 Endosperm Type: 1=Sweet (su1) 2=Extra Sweet (s 5=Waxy Starch 6=High Protein 7=High Lysine 10=Other	h2) 3=Normal Starch 8=Super Sweet (se)	4=High Amylose Starch 9=High Oil	03		
2 6.8 gm Weight per 100 Kernels (unsized sample)	6.5	1200 seeds	29.7	8.7	1200 seeds
9. COB:	Standard Deviation	Sample Size	Mean	Standard Deviation	Sample Size
2 4 .2 mm Cob Diameter at mid-point	0.6	30	2 2.1	0.8	15
1 1 Cob Color (Munsell code 5 R 6/6)			1 4 (Munsell o	code 5 R 3/8)	
10. DISEASE RESISTANCE (Rate from 1 (most susceptible) to 9 (most Race or Strain Options blank if polygenic): A. Leaf Blights, Wilts, and Local Infection Diseases 6 Anthracnose Leaf Blight (Colletotrichum graminicola) 6 Common Rust (Puccinia sorghi) Common Smut (Ustilago maydis) 6 Eyespot (Kabatiella zeae) 5 Goss's Wilt (Clavibacter michiganense spp. nebraskense) 6 Gray Leaf Spot (Cercospora zeae-maydis) 8 Helminthosporium Leaf Spot (Bipolaris zeicola)	Race 2 Race 2 Race O	if not tested; leave	Southern Less Southern Less Southern R Southern R Stewart's W Other (Special Less Southern R Southe	ust mut Spot porium Leaf Spot saf Blight ust //ilt cify) Necrosis rotic Dwarf Virus ritic Mottle Virus f Mosaic Virus owny Mildew of Corn cify)	Race 2Race O
Diplodia Stalk Rot (Stenocarpella maydis) Fusarium Stalk Rot (Fusarium moniliforme) Gibberella Stalk Rot (Gibberella zeae) Other (Specify) D. Ear and Kernel Rots Aspergillus Ear and Kernel Rot (Aspergillus flavus) Diplodia Ear Rot (Stenocarpella maydis) Fusarium Ear and Kernel Rot (Fusarium moniliforme) Gibberella Ear Rot (Gibberella zeae) Other (Specify)		·	Diplodia Ear Fusarium Er Gibberella E Other (Spec	ilk Rot ialk Rot stalk Rot iffy) Ear & Kernel Rot r Rot ar & Kernel Rot iar Rot iffy)	
Application Variety Data Note: Use chart on first page to charse color codes for other traits	· · · · · · · · · · · · · · · · · · ·		Standard Inbred	Data	
Note: Use chart on first page to choose color codes for color traits.	*****				

Application Variety Data Page 4	Standard Inbred Data
11. INSECT RESISTANCE (Rate from 1 (most susceptible) to 9 (most resistant); leave blank if not tested): Standard Deviation Sample Size	Standard Deviation Sample Size
Banks Grass Mite (Oligonychus pratensis)	Banks Grass Mite
Corn Earworm (Helicoverpa zea) Leaf-Feeding Silk Feeding : mg larvał wt Ear Damage	Com Earworm Leaf Feeding
Corn Leaf Aphid (Rhopalosiphum maidis) Corn Sap Beetle (Carpophilus dimidiatus)	Ear Damage Corn Leaf Aphid Corn Sap Beetle
European Corn Borer (Ostrinia nubilalis) 1st Generation (Typically Whorl Leaf Feeding) 2nd Generation (Typically Leaf Sheath-Collar Feeding) Stalk Tunneling: cm tunneled/plant	European Corn Borer 1st Generation 2nd Generation
Fall Armyworm (Spodoptera frugiperda) Leaf-Feeding Silk-Feeding: mg larval wt.	Fall Armyworm Leaf Feeding
Maize Weevil (Sitophilus zeamaize) Northern Rootworm (Diabrotica barberi) Southern Rootworm (Diabrotica undecimpunctata)	Maize Weevil Northern Rootworm Southern Rootworm
Southwestern Corn Borer (Diatraea grandiosella) Leaf Feeding Stalk Tunneling: cm tunneled/plant	Southwestern Corn Borer Leaf Feeding
Two-spotted Spider Mite (Tetranychus urticae) Western Rootworm (Diabrotica virgifera virgifera) Other (Specify)	Two-spotted Spider Mite Western Rootworm Other (Specify)
12. AGRONOMIC TRAITS:	
5 Stay Green (at 65 days after anthesis) (Rate on a scale from 1=worst to 9=excellent.)	2 Stay Green
0 0.0 % Dropped Ears (at 65 days after anthesis)	0 0 .0 % Dropped ears
0 0 .0 % Pre-anthesis Brittle Snapping	0 0 .0 % Pre-anthesis Brittle Snapping
0 0. 0 % Pre-anthesis Root Lodging	0 0 .0 % Pre-anthesis Root Lodging
0 0. 0 % Post-anthesis Root Lodging (at 65 days after anthesis)	0 0.0 % Post-anthesis Root Lodging
Kg/ha Yield of Inbred Per Se (at 12-13% grain moisture)	Yield
13. MOLECULAR MARKERS: (0=data unavailable; 1=data available but not supplied; 2=data supplied)	
1 Isozymes 0 RFLP's 0 RAPD'sOther (Specify)	
REFERENCES:	
Butler, D.R. 1954. A System for the Classification of Corn Inbred Lines. PhD Thesis, Ohio State University. Emerson, R.A., G.W. Beadle, and A.C. Fraser. 1935. A Summary of Linkage Studies in Maize. Cornell A.E.S., Mem. 180 Farr, D.F., G.F. Bills, G.P. Chamuris, A.Y. Rossman. 1989. Fungi on Plant and Plant Products in the United States. The Inglett, G.E. (Ed.) 1970. Corn: Culture, Processing, Products. Avi Publishing Company, Westport, C.T. Jugenheimer, R.W. 1976. Corn: Improvement, Seed Production, and Uses. John Wiley & Sons, New York. McGee, D.C. 1988. Maize Diseases. APS Press, St. Paul, MN. 150 pp. Munsell Color Chart for Plant Tissues. Macbeth. P.O. Box 230. Newburgh, N.Y. 12551-0230 The Mutants of Maize. 1968. Crop Science Society of America. Madison, WI. Shurtleff, M.C. 1980. Compendium of Corn Diseases. APS Press, St. Paul, MN. 105 pp. Sprague, G.F., and J.W. Dudley (Editors). 1988. Corn and Corn Improvement, Third Edition. Agronomy Monograph 18. A Stringfield, G.H. Maize Inbred Lines of Ohio. Ohio A.E.S., Bul. 831. 1959. U.S. Department of Agriculture. 1936, 1937. Yearbook.	American Phytopathological Society, St. Paul, MN.
COMMENTS (e.g. state how heat units were calculated, standard inbred seed source, and/or where data was collected. Comments (e.g. state how heat units were calculated, standard inbred seed source, and/or where data was collected.	Continue in Exhibit D):
Heat Unit Calculation: GDU = <u>Daily Max Temp (<=86°F) + Daily Min Temp (>=50°F)</u> 2	- 50°F
Supplemental data obtained from 2005 seed inventory and production parent test.	

- 1. If the rights to the variety are owned by the original breeder, that person must be a U.S. national, national of a UPOV member country, or national of a country which affords similar protection to nationals of the U.S. for the same genus and species.
- If the rights to the variety are owned by the company which employed the original breeder(s), the company must be U.S. based, owned by nationals of a UPOV member country, or owned by nationals of a country which affords similar protection to nationals of the U.S. for the same genus and species.
- 3. If the applicant is an owner who is not the original owner, both the original owner and the applicant must meet one of the above criteria.

The original breeder/owner may be the individual or company who directed the final breeding. See Section 41(a)(2) of the Plant Variety Protection Act for definitions.

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 0.1 hour per response, including the time for reviewing the instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, gender, religion, age, disability, sexual orientation, marital or family status, political beliefs, parental status, or protected genetic information. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at 202-720-2600 (voice and TDD).

To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, D.C. 20250-9410 or call (202) 720-5964 (voice and TDD). USDA is an equal opportunity provide and employer.

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U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE SCIENCE AND TECHNOLOGY **PLANT VARIETY PROTECTION OFFICE** BELTSVILLE, MD 20705

EXHIBIT F

NAME OF OWNER (S)	ADDRESS (Street and No. or RD No., City, State, and Zip Code and Country)	TEMPORARY OR SYSSOWERS THE RESIDENCE
	the state of the s	TEMPORARY OR EXPERIMENTAL DESIGNATION
Monsanto Technology LLC	8350 Minnegan Road	
	Waterman, IL 60556 U.S.A.	VARIETY NAME
		I059908
NAME OF OWNER REPRESENTATIVE (S)	ADDRESS (Street and No. or RD No., City, State, and Zip Code and Country)	
Timothy R. Kain	8350 Minnegan Road	
	Waterman, IL 60556	PVPO NUMBER
	U.S.A.	200600120

I do hereby declare that during the life of the certificate a viable sample of propagating material of the subject variety will be deposited, and replenished as needed periodically, in a public repository in the United States in accordance with the regulations established by the Plant Variety Protection Office.

3/5/2008

ST-470-F (04-03) designed by the Plant Variety Protection Office using Microsoft Word 2002.